



## N THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Miller

Date: Art Unit:

Examiner:

June 20, 2003

2821

Unknown

Serial No.

10/047,100

Filed:

01/14/2002

For:

SYSTEM AND METHOD FOR SUBBAND BEAMFORMING USING ADAPTIVE WEIGHT

**NORMALIZATION** 

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Under his duty of disclosure under Rule 35 U.S.C. Section 1.56 the Applicant respectfully submits to the United States Patent and Trademark Office a copy of art cited during a European Patent Search for pending PCT Application No. PCT/US/02/38745.

The art cited from the European search includes five (5) of these references to be of relevance to the present invention when taken into combination with other art.

We include with this Information Disclosure Statement a properly prepared PTO Form-1449 and a copy of the cited references.

Do not hesitate to contact the undersigned with your questions regarding this information.

Registration No. 30,021

Tel. No.: 310.647.2577 Fax No.: 310.647.2616 Raytheon Company P.O. Box 902 (E4/N119) El Segundo, CA 90245-0902

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PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031

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Sheet 1

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known			
Application Number	10/047,100		
Filing Date	01/14/2002		
First Named Inventor	Miller		
Art Unit	2821		
Examiner Name	Unknown		
Attorney Docket Number	PD-00W022		

			U. S. PATENT D	OCUMENTS	
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages,C olumns, Lines, Where Relevant Passages or Relevant
		Number-Kind Code <sup>2 (flato wn)</sup>			Figures Appear
		<sup>US-</sup> 4,821,037	04-11-1989		
		<sup>US-</sup> 5,216,640	06-01-1993		
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		FORE	<b>IGN PATENT DOCU</b>	MENTS		
Examiner Initials*	Cite No.1	Foreign PatentD ocument	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	6
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T
-		EP 1 162 687	12/12/2001			<u> </u>
		EP 0 963 003	12/08/1999			
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Examiner	Date	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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